Amendments to the Claims:

- 1. (currently amended) A variable attenuator comprising:
 - a first attenuator for attenuating a RF signal according to a fixed voltage;
- a second attenuator connected in parallel to the first attenuator and attenuating the RF signal according to a control voltage for determining an attenuation mode; and
- a first impedance matching unit for maintaining input/output impedance matching of the second attenuator,

wherein the second attenuator comprises:

a third capacitor connected in parallel to an input terminal of the first attenuator,

a first short key diode for attenuating the RF signal transmitted through the third

capacitor, and

a second short key diode connected in parallel to an output terminal of the first attenuator.

- 2. (currently amended) The attenuator of claim 1, further comprising:
- a second impedance matching unit for maintaining input/output impedance matching of the first attenuator.
- 3. (currently amended) The attenuator of claim 1, further comprising:
- a first capacitor for removing serial current elements from an input RF signal and for providing the RF signal to the first attenuator; and
- a second capacitor for removing serial current elements from an output signal of the first and second attenuators.
- 4. (original) The attenuator of claim 1, wherein the first attenuator comprises a short key diode.
- 5. (original) The attenuator of claim 1, wherein the fixed voltage is a power voltage divided by a certain level.

- 6. (original) The attenuator of claim 1, wherein the RF signal flows to the first attenuator in a low attenuation mode.
- 7. (original) The attenuator of claim 1, wherein the RF signal flows to the second attenuator in a high attenuation mode.
- 8. (original) The attenuator of claim 1, wherein the RF signal flows to the first and second attenuators in an intermediate attenuation mode.

9-11 (cancel)

- 12. (currently amended) The attenuator of claim [[11]] -1--, wherein the second attenuator comprises a first and a second resistance means connected in serial between anodes of the first and second short key diodes.
- 13. (original) The attenuator of claim 12, wherein the second attenuator comprises a control voltage input terminal is provided between the first and second resistance means.
- 14. (currently amended) A variable attenuator comprising:
 - a first attenuator for attenuating a RF signal according to a first voltage;
- a first impedance matching unit for maintaining impedance matching of the first attenuator in a low attenuation mode;
- a second attenuator provided between input and output terminals of the first attenuator for attenuating the RF signal according to a control voltage for determining an attenuation mode,

wherein the second attenuator comprises:

a third capacitor connected in parallel to an input terminal of the first attenuator for cutting off a control voltage to the first attenuator;

a first short key diode for attenuating the RF signal transmitted through the third capacitor;

a second short key diode connected in parallel to an output terminal of the first attenuator; and

first and second resistance means corrected to anodes of the first and second short key diodes for applying the control voltage; and

a second impedance matching unit for maintaining input/output impedance matching of the second attenuator in a high attenuation mode,

wherein the second impedance matching unit comprises at least two resistors provided between the second attenuator and a ground connection.

- 15. (original) The attenuator of claim 14, wherein the first and second impedance matching units have the same resistance.
- 16. (currently amended) The attenuator of claim 14, wherein the second impedance matching unit comprises at least two resistors provided between the second attenuator and a ground-connection and each have a resistance is of 50Ω.
- 17. (original) The attenuator of claim 14, wherein the RF signal flows to the first attenuator in a low attenuation mode and flows to the second attenuator in a high attenuation mode.
- 18. (original) The attenuator of claim 14, wherein the RF signal flows to the first and second attenuators in an intermediate attenuation mode.
- 19. (cancel)
- 20. (currently amended) A variable attenuator comprising:
 - a first short key diode for attenuating a RF signal according to a first voltage;
- a second short key diode, connected in parallel to an anode of the first short key diode for attenuating the RF signal, according to a control voltage;

- a third short key diode connected in parallel to a cathode of the first short key diode for attenuating the RF signal, according to the control voltage;
- a first resistor provided between a cathode of the <u>second</u> short key diode and a ground connection; and
- a second resistor provided between a cathode of the third short key diode and the ground connection.
- 21. (original) The attenuator of claim 20, further comprising:
 a capacitor connected to the anode of the first short key diode for cutting off a control voltage provided to the first short key diode.
- 22. (original) The attenuator of claim 20, further comprising: third and fourth resistors for applying the control voltage to the anodes of the second and third short key diodes, respectively.
- 23. (original) The attenuator of claim 20, wherein the first and second resistors are approximately 50Ω .
- 24. (original) The attenuator of claim 20, wherein the RF signal flows to the first short key diode, in a low attenuation mode.
- 25. (original) The attenuator of claim 20, wherein the RF signal flows to the second and third short key diodes in a high attenuation mode.
- 26. (original) The attenuator of claim 20, wherein the RF signal flows to the first, second, and third short key diodes, in an intermediate attenuation mode.
- 27. (new) A variable attenuator comprising:
 - a first attenuator for attenuating a RF signal according to a fixed voltage;
- a second attenuator connected in parallel to the first attenuator and attenuating the RF signal according to a control voltage for determining an attenuation mode; and

a first impedance matching unit for maintaining input/output impedance matching of the second attenuator,

wherein the second attenuator comprises:

- a first diode connected in parallel to an input terminal of the first attenuator; and a second diode connected in parallel to an output terminal of the first attenuator.
- 28. (new) The attenuator of claim 27, wherein the second attenuator comprises a third capacitor connected in parallel to an input terminal of the first attenuator.
- 29. (new) The attenuator of claim 28, wherein the first diode attenuates the RF signal transmitted through the third capacitor.